

## AMENDMENTS TO THE CLAIMS

**1. (Currently Amended)** A chemical-amplification positive-working photoresist composition which comprises, as a uniform solution in an organic solvent:

(A) a polyhydroxystyrene-based resinous ingredient of which the hydroxyl groups are partly substituted by acid-dissociable substituent groups capable of being dissociated by interacting with an acid; and

(B) a radiation-sensitive acid-generating compound capable of releasing an acid by irradiation, said acid-generating agent being selected from the group consisting of diazomethane compounds and onium salt compounds of which the anionic counterpart is a C<sub>1</sub>-C<sub>15</sub> halogenoalkylsulfonate anion, with a radiation,

the resinous ingredient as the component (A) being a combination comprising (A1) a first polyhydroxystyrene resin substituted for a part of the hydroxyl groups by acid-dissociable substituent groups and (A2) a second ~~polyhydroxy-styrene~~ polyhydroxystyrene resin substituted for a part of the hydroxyl groups by acid-dissociable substituent groups which are the same as in the first polyhydroxystyrene resin (A1), of which the degree of substitution by the substituent groups for a part of the hydroxyl groups in the first polyhydroxystyrene resin (A1) is larger than the degree of substitution in the second polyhydroxystyrene resin (A2) with the proviso that the ratio of the maximum weight-average molecular weight  $Mw_{max}$  to the minimum weight-average molecular weight  $MW_{min}$  in the first and second polyhydroxystyrene resins (A1) and (A2) is smaller than 1.5[[.]],

wherein the overall degree of substitution in the resinous ingredient as the component (A) for a part of the hydroxyl groups by the acid-dissociable substituent groups is in the range from 5 to 60% and the acid-dissociable substituent group is selected from the group consisting of tertiary alkoxycarbonyl groups, tertiary alkyl groups, alkoxyalkyl groups and cyclic ether groups and  
(C) an amino compound.

**2 and 3. (Canceled)**

**4. (Currently Amended)** The chemical-amplification positive-working photoresist composition as claimed in claim 3 1 in which the acid-dissociable substituent group is selected from the group consisting of tertbutoxycarbonyl group, tert-butyl group, tetrahydropyranyl group, tetrahydrofuranyl group, 1-ethoxyethyl group and 1-methoxypropyl group.

**5. (Original)** The chemical-amplification positive-working photoresist composition as claimed in claim 1 in which the polyhydroxystyrene-based resinous ingredient as the component (A) is a combination of (A1) a first polyhydroxystyrene resin substituted for from 30 to 60% of the hydroxyl groups by the acid-dissociable substituent groups and (A2) a second polyhydroxystyrene resin substituted for from 5 to 20% of the hydroxyl groups by the acid-dissociable substituent groups.

**6. (Original)** The chemical-amplification positive-working photoresist composition as claimed in claim 5 in which the polyhydroxystyrene-based resinous ingredient as the component (A) is a combination of the first and second polyhydroxystyrene resins (A1) and (A2) in a weight proportion in the range from 1:9 to 9:1.

**7. (Original)** The chemical-amplification positive-working photoresist composition as claimed in claim 5 in which the polyhydroxystyrene-based resinous ingredient as the component (A) is a combination of (A1) a first polyhydroxystyrene resin substituted for from 35 to 60% of the hydroxyl groups by the acid-dissociable substituent groups and (A2) a second polyhydroxystyrene resin substituted for from 5 to 15% of the hydroxyl groups by the acid-dissociable substituent groups.

**8. (Original)** The chemical-amplification positive-working photoresist composition as claimed in claim 7 in which the polyhydroxystyrene-based resinous ingredient as the component (A) is a combination of the first and second polyhydroxystyrene resins (A1) and (A2) in a weight proportion in the range from 4:6 to 1:9.

**9. (Original)** The chemical-amplification positive-working photoresist composition as claimed in claim 5 in which the polyhydroxystyrene-based resinous ingredient as the component (A)

is a combination of (A1) a first polyhydroxystyrene resin substituted for from 30 to 60% of the hydroxyl groups by tert-butoxycarbonyl groups and (A2) a second polyhydroxystyrene resin substituted for from 5 to 20% of the hydroxyl groups by tert-butoxycarbonyl groups.

**10. (Original)** The chemical-amplification positive-working photoresist composition as claimed in claim 1 in which the ratio of the maximum weight-average molecular weight  $Mw_{\max}$  to the minimum weight-average molecular weight  $Mw_{\min}$  in the first and second polyhydroxystyrene resins (A1) and (A2) is smaller than 1.3.